

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

Claims 1-22 (Cancelled).

Claims 23-24 (**Cancelled**).

Claim 25 (**Currently Amended**): The method according to claim [[24]] 26, further comprising including with the at least one further of the control parameters [[the]] a channel number of the one of the plurality of different time channels, in which the data packet in question is sent.

Claim 26 (**Currently Amended**): The method according to claim 24, further comprising A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets;

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device; and

using at most so many different ones of the plurality of different time channels such that a sum of transmission time intervals of the different ones of the plurality of different time channels covers a round-trip time span at the end of which a re-transmission after a previous transmission can take place at the earliest on a specific one of the plurality of different time channels.

**Claim 27 (Currently Amended):** The method according to claim [[24]] 26, wherein a number of re-transmissions of [[a]] the data packet are superimposed to decode [[a]] the data packet.

**Claim 28 (Currently Amended):** The method according to claim 27, wherein an incremental redundancy method is used during the data packet transmission and the at least one further of the control parameters includes a redundancy version indicator.

**Claim 29 (Currently Amended):** The method according to claim [[24]] 26, wherein the data packet transmission takes place by means of a multi-channel HARQ transmission method and the at least one further of the control parameters includes an HARQ parameter.

**Claim 30 (Currently Amended):** The method according to claim [[24]] 26, wherein different numbers of packet numbers are assigned to different time channels, which are available for identifying [[a]] the data packet on the time channel in question.

Claim 31 (Currently Amended): ~~The method according to claim 28, A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:~~

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets; and

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device;

wherein a number of re-transmissions of the data packet are superimposed to decode the data packet;

wherein an incremental redundancy method is used during the data packet transmission and the at least one further of the control parameters includes a redundancy version indicator;

wherein different numbers of redundancy version indicators are assigned to different time channels of the plurality of different time channels, which are available for signaling the redundancy version of [[a]] the data packet transmission on the time channel.

Claim 32 (Currently Amended): The method according to claim [[24]] 31, wherein [[the]] at least one of a number of packet numbers and/or and a number of redundancy version indicators of at least one of the plurality of different time channels are varied is/are variable.

Claim 33 (Previously Presented): The method according to claim 32, wherein the number of redundancy version indicators of the time channel in question is modified according to a predefined sequence at specific time intervals.

Claim 34 (**Currently Amended**): The method according to claim [[24]] 31, wherein [[the]] at least one of a number of packet numbers and/or and a number of redundancy version indicators of at least one of the plurality of different time channels is/are are selected in each instance as a function of the current transmission situation.

Claim 35 (**Currently Amended**): The method according to claim [[23]] 31, wherein transmission resources are allocated to a specific transmitting device taking into account at least one of [[the]] a number of different time channels used by the device in question, and/or the numbers a number of packet numbers, and a number and/or numbers of the redundancy version indicators of the different time channels of the specific transmitting device in question.

Claim 36 (Currently Amended): The method according to claim 30, A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets; and

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device;

wherein different numbers of packet numbers are assigned to different time channels, which are available for identifying the data packet on the time channel in question;

wherein during selection of the one of the plurality of different time channels for a pending transmission of [[a]] the data packet, the plurality of different time channels are prioritized according to their numbers of packet numbers.

Claim 37 (Currently Amended): The method according to claim [[24]] 36, wherein a packet number distribution function, which defines the numbers a number of packet numbers assigned to [[the]] individual time channels in the plurality of different time channels, is a monotonously increasing or monotonously decreasing function with respect to in respect of the channel numbers of [[the]] available time channels.

Claim 38 (Currently Amended): The method according to claim [[24]] 36, wherein [[the]] one of the plurality of time channels is selected for [[a]] the pending transmission of

[[a]] the data packet according to a specific selection rule, taking into account when different combinations of channel numbers and packet numbers were last used.

**Claim 39 (Currently Amended):** The method according to claim [[24]] 36, wherein a time channel is selected for [[a]] the pending transmission of [[a]] the data packet taking into account temporal information relating to transmissions to date on the different time channels of the plurality of different time channels.

**Claim 40 (Currently Amended):** The method according to claim 39, wherein [[the]] one of the plurality of different time channels is selected for [[a]] the pending transmission of [[a]] the data packet taking into account [[the]] use times to date of the different time channels of the plurality of different time channels.

Claims 41-44 (**Cancelled**).